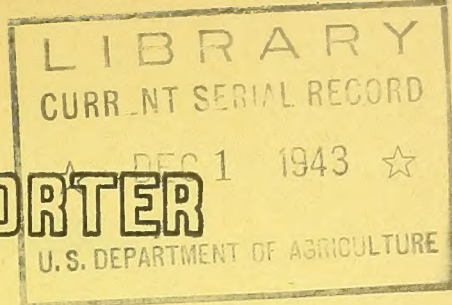


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THE PLANT DISEASE REPORTER



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Division of Mycology and Disease Survey

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Supplement 134

A Revised Check List of the Parasitic Fungi
on Cereals and Other Grasses in Oregon

March 1, 1942



The Plant Disease Reporter is issued as a service to plant pathologists throughout the United States. It contains reports, summaries, observations, and comments submitted voluntarily by qualified observers. These reports often are in the form of suggestions, queries, and opinions, frequently purely tentative, offered for consideration or discussion rather than as matters of established fact. In accepting and publishing this material the Division of Mycology and Disease Survey serves merely as an informational clearing house. It does not assume responsibility for the subject matter.

A REVISED CHECK LIST OF THE PARASITIC FUNGI ON CEREALS
AND OTHER GRASSES IN OREGON^{1/}

Roderick Sprague^{2/}

Plant Disease Reporter
Supplement 134

March 1, 1942

The first preliminary list of the diseases of cereals and grasses in Oregon^{3/} was issued in 1935 and additions^{4/} were added in 1937. These two lists are here combined together with further additions.

Oregon is well adapted to the growing of both cereals and grasses. The State is roughly divided by the Cascade Range into the humid western portion and the drier, semi-arid eastern region. The western portion is again partitioned into a narrow, very humid coastal strip flanked by the low Coast Range dividing the coast area from the wide Willamette Valley where winter rainfall is heavy and summer weather dry. Northward the Willamette drains into the Columbia River which breaks through the Cascade Range from the east. South of the Willamette Valley is a rugged area of valleys and hills extending to the Siskiyou Mountains on the California border. Eastern Oregon is a high plateau of sagebrush and grassland, with the eastern portion featured by the conifer-covered Blue Mountains and granitic Wallowa Mountains. Wheat is extensively grown in central Oregon, and in the vicinity of the Blue Mountains in Union and Umatilla Counties it is the major crop.

Diseases of grasses in Oregon are found throughout the State, but the most serious troubles occur in the humid coastal strip or, during the mild winter months, in the Willamette Valley. The native dry land blue-grasses and bunchgrasses are parasitized by a number of fungi, but the dry season which comes after the spring rains cease is, in general, unfavorable for the development of grass diseases in the interior country. Certain rusts, smuts, rootrots, and powdery mildews, however, are sometimes abundant.

This list is for the purpose of furnishing a ready reference to all known diseases of cereals or grasses in Oregon. During recent years there has been increasing interest in the long-neglected group of grass diseases. While it is realized that many of the fungi listed in this article cannot, from a practical standpoint, be considered in a control program, it is

^{1/} Cooperative investigations between the Divisions of Cereal Crops and Diseases and Forage Crops and Diseases, Bureau of Plant Industry, U. S. Department of Agriculture, and the Oregon Agricultural Experiment Station, contribution from the Department of Botany.

^{2/} Associate Pathologist, Division of Cereal Crops and Diseases, Bureau of Plant Industry, U. S. Department of Agriculture.

^{3/} A preliminary check list of the parasitic fungi on cereals and other grasses in Oregon. Plant Disease Reporter 19:156-186. 1935.

^{4/} Additions to the check list of the parasitic fungi on cereals and other grasses in Oregon (1935-37). Plant Disease Reporter 21:412-422. 1937.

important that a relatively complete list be assembled. A great deal of study must eventually be made to determine their host range, ecology and, where destructive, their control. As mentioned above, the diseases of grasses in the western portion of Oregon, particularly those of bent grasses, need study as they are destructive.

The writer is indebted to all of his colleagues who aided in the earlier lists. C. R. Orton determined the species of Phyllachora. Several of the grasses collected recently were identified by Agnes Chase and others by Helen Gilkey and Garland Powell. George Fischer determined certain species of smuts and rusts.

In citing authority for inclusion of the various fungi in this list, the writer wherever possible has again referred to representative collections in the Mycological Collections of the Department of Botany, Oregon State College, Corvallis, Oregon. Otherwise he has referred to specific references in reliable texts or, in a few cases, he has cited the fungi as having been seen and determined but collections not preserved. The collections at Corvallis now contain several thousand specimens of these fungi on Gramineae. A large number of duplicates have been sent to the Mycological Collections of the Bureau of Plant Industry, Washington, D.C., while representative collections also have been sent to Washington State College, Pullman, Washington, and to the University of Idaho, Moscow, Idaho.

The present list includes 677 citations of fungi on separate hosts.

Hitchcock (5) was again followed in classification of the grasses and cereals. Varieties except in rare instances were not segregated and the polymorphic group Bromus carinatus, B. marginatus, and B. polyanthus has been included under the one name, B. carinatus.

LIST OF FUNGI BY HOST PLANTS

Latin name	Host and fungus or disease	Common name	Where found	Literature or specimen a/
JOINTED GOATGRASS				
AEGILOPS CYLINDRICA Host.				
Cercospora herpotrichioides			Union County	(14)
Fron				
LITTLE GOATGRASS				
AEGILOPS OVATA L.				
Cercospora herpotrichioides			Union County	(14)
Fron				
Puccinia rubigo-vera tritici			b/	(2)
(Eriks. & Henn.) Carl.				
BARBED GOATGRASS				
AEGILOPS TRIUNCIALIS L.				
Cercospora herpotrichioides			Union County	(14) 10,210
Fron				
CRESTED WHEATGRASS				
AGROPYRON CRISTATUM (L.) Gaertn.				
Claviceps purpurea (Fr.) Tul.			Astoria in plots	8393
Epicoccum purpurascens Ehrbg.			Astoria in plots	10,495
Fusarium culmorum (W. G. Sm.) Sacc.			Wasco County	c/
F. oxysporum Schl.			Wasco & Sherman Co.	c/
Puccinia glumarum (Schm.) Eriks. & Henn.			Moro	7530
Ustilago hypodytes (Schl.) Fr.			Exp. Sta., Union	Fischer's Collections

a/ Numbers in parentheses refer to literature citations at end of text; other numbers not in parentheses refer to specimen numbers in the mycological herbarium of the Department of Botany, Oregon State College, Corvallis, Oregon.
 b/ Information lacking.
 c/ Pure culture isolations made in Oregon by the writer, 1929-40.

AGROPYRON DASYSTACHYUM (Hook.) Scribn. (<i>A. lanceolatum</i> Scribn. & Smith) <i>Ascospora graminis</i> Lind. <i>Erysiphe graminis</i> DC. <i>Puccinia graminis</i> Pers. <i>P. rubigo-vera</i> (DC.) Wint. <i>Rhynchosporium secalis</i> (Oud.) J.J. Davis <i>Scolecotrichum graminis</i> Fckl.	THICKSPIKE WHEATGRASS (Downy wheatgrass) Mold Powdery mildew Stem rust Leaf rust Leaf scald Leaf stripe	Biggs, Celilo Wasco & Sherman Co. Sherman County Redmond, Celilo Wasco County Jackson, Sherman and Wasco Counties	10,809 10,224 (2, 7) (2, 7) 10,054 10,059
<i>Selenophoma donacis</i> (Pass.) Sprague & Johnson var. <i>stomaticola</i> (Bauml.) Sprague & Johnson	<i>Selenophoma</i> speckle	Celilo Falls	673
AGROPYRON INERMIS (Scribn. & Smith) Rydb. (<i>A. spicatum inermis</i> Scribn. & Smith) <i>Erysiphe graminis</i> DC. <i>Scolecotrichum graminis</i> Fckl. <i>Septoria elymi</i> Ell. & Ev.	BEARDLESS WHEATGRASS Powdery mildew Leaf stripe Leaf mottle	Rufus Klamath Falls & Rowena Rowena	10,928 10,056 c/ 10,378
AGROPYRON TRACHYCAULUM (Link) Malte (<i>A. tenerum</i> Vasey, <i>A. pauciflorum</i> (Schw.) Hitch.) <i>Claviceps purpurea</i> (Fr.) Tul. <i>Erysiphe graminis</i> DC. <i>Puccinia graminis</i> Pers. <i>P. montanensis</i> Ell. <i>Scolecotrichum graminis</i> Fckl. <i>Ustilago striaeformis</i> (Westd.) Niessl	SLENDER WHEATGRASS Ergot Powdery mildew Stem rust Brown stripe rust Leaf stripe Stripe smut	Union Andrews Union Union Upper Klamath Marsh Exp. Sta., Union	10,693 (W.A.F., 164)d/ 10,692 10,695 527 Fischer's Coll.
AGROPYRON REPENS (L.) Beauv. <i>Bacterium</i> sp. <i>Claviceps purpurea</i> (Fr.) Tul. <i>Helminthosporium tritici-repentis</i> Died.	QUACKGRASS Leaf rot Ergot Brown leaf speckle	Corvallis Hood River Alsea Valley	10,117 10,697 10,752

d/ Griffiths, D.W. Western American Fungi (exsiccati). (Abbreviated as W.A.F.)

<i>Puccinia rubigo-vera</i> (DC.) Wint.	Leaf rust	Warrenton	10,312
<i>Rhynchosporium secalis</i> (Oud.) J.J.Davis	Leaf scald	Corvallis	10,117
<i>Septoria elymi</i> Ell. & Ev.	Leaf mottle	Silver Creek Falls & 6 miles N. of Eugene	10,282 465
<i>Ustilago hypodytes</i> (Schl.) Fr.	Stem smut	Hood River	336
AGROPYRON SMITHII Rydb.			
<i>Scolecotrichum graminis</i> Fckl.	Leaf stripe	Upper Klamath Lake	10,057
<i>Ustilago hypodytes</i> (Schl.) Fr.	Stem smut	Heppner	10,164
AGROPYRON SPICATUM (Pursh.) Scribn. & Smith			
<i>Cladosporium herbarum</i> Lk.	Leaf mold	18 mi. east of Arlington	157
<i>Erysiphe graminis</i> DC.	Powdery mildew	Friend	873
<i>Puccinia glumarum</i> (Schm.) Eriks. & Henn.	Stripe rust	Pendleton	Herb., Univ. of Idaho
<i>P. pattersoniana</i> Arth.	Patterson's rust	E. Oreg.	(2, 7)
<i>P. rubigo-vera</i> (DC.) Wint.	Leaf rust	Benton County	(2, 7)
<i>Scolecotrichum graminis</i> Fckl.	Leaf stripe	Fossil	10,808
<i>Septoria infuscans</i> (Ell. & Ev.) Sprague	Brown leaf blotch	John Day Canyon	658
<i>Urocystis agropyri</i> (Preuss.) Schroet.	Smut	Wasco County	27,001
<i>Ustilago macrospora</i> Desm.	Smut	-----	(4)
AGROPYRON SUBSECUNDUM (Link) Hitchc.			
(<i>A. caninum</i> Am. Auth.)			
<i>Puccinia montanensis</i> Ellis	Brown stripe rust	Hood River	10,252
AGROSTIS AEQUALVIS (Trin.) Trin.			
<i>Puccinia coronata</i> Corda	BENT GRASS Crown rust	Silver Creek Park	330
AGROSTIS ALBA L.			
<i>Claviceps purpurea</i> (Fr.) Tul.	REDTOP Ergot	Clatsop County	10,317
<i>Darluca filum</i> (Biv.) Cast.	Parasite on crown rust	Astoria	10,735
<i>Mastigosporium rubricosum</i> (Dearq. & Barth.) Sprague	Red eye spot	Coast region	10,586

Phycomycete Indet. e/
 Puccinia coronata Corda
 P. graminis Pers.
 Rhizoctonia solani Kühn
 Rhynchosporium orthosporum Caldwell
 R. secalis (Cud.) J.J.Davis
 Septoria triseti Speg.
 Uromyces jacksonii Arth.&Fromme
 Ustilago striaeformis (Westd.) Niessl

Purple leaf speckle
 Crown rust
 Stem rust
 Leaf rot
 Leaf scald
 Leaf scald
 Gray leaf speckle
 Jackson's rust
 Stripe smut

Corvallis, Wells
 W. Oregon
 Astoria
 Corvallis
 Corvallis
 Granger
 Shedd, Corvallis
 W. Oreg.
 Monroe, Wells (near)

799
 (2, 7)
 10,313
 e/
 798
 10,344
 (Culture S 113);
 798
 (2)
 10,719

AGROSTIS CANINA L.
 Mastigosporium rubricosum (Dearn. & Barth.) Sprague
 Phycomycete Indet. e/
 Puccinia coronata Corda
 P. graminis agrostidis Eriks.

Red eye spot
 Purple leaf speckle
 Crown rust
 Stem rust

Astoria in plots
 Astoria
 Astoria in plots
 Astoria in plots

10,980
 119
 10,713
 10,713

AGROSTIS CASTELLANA Boiss. & Reut.
 Puccinia coronata Corda
 Scolecotrichum graminis Fckl.
 Septoria triseti Speg.

BENT
 Crown rust
 Leaf stripe
 Gray leaf speckle

Corvallis
 Corvallis
 Corvallis

H.A. Rampton
 H.A. Rampton
 H.A. Rampton

AGROSTIS DILGOEENSIS Vasey
 (A. foliosa Vasey)
 Puccinia coronata Corda
 Septoria calamagrostidis (Lib.) Sacc.

THINGRASS
 (Leafy bent)
 Crown rust
 Leaf spot

W. Oreg.
 Mehl Creek (Douglas County)

(2, 7)
 419

AGROSTIS EXARATA Trin.
 Claviceps purpurea (Fr.) Tul.
 Darluca filum (Piv.) Cast.
 Erysiphe graminis DC.

SPIKE REDTOP
 Ergot
 on Puccinia coronata
 Corda
 Powdery mildew

Warrenton
 Clifton
 Marion County

10,314
 10,712
 10,507

e/ This is a unilocular body or cluster of bodies embedded in the leaf. No one has been able to identify them. They probably belong near the Chytridiales. Nothing is known of their life history as the bodies have not been seen to germinate although sometimes they are found empty. At times they are very common during moist periods in winter but more often only a few leaves will be found infected on a plant.

Helminthosporium triseptatum Drechs.	Leaf spot	Wells, Benton Co.	737
Hendersonia sp.	Leaf spot	Clifton	10,712
Mastigosporium rubricosum (Dearn. & Barth.) Sprague	Red eye spot	Hanchet Creek, Yamhill County	745
Phycomycete Indet. e/	Purple leaf speckle	Clatsop County	456
Puccinia coronata Corda	Crown rust	W. Greg.	(2, 7)
P. graminis Pers.	Stem rust	Jackson County	(2, 7)
Scolecotrichum graminis Fckl.	Leaf stripe	Union Creek, Hanchet Creek	532
Septoria calamagrostidis (Lib.) Sacc.	Leaf spot	Marion & Lincoln Cos.	10,377
Ustilago striaeformis (Westd.) Niessl.	Stripe smut	Benton & Jackson Cos.	1391
AGROSTIS EXARATA var. AMPLA (Hitchc.) Hitchc. Septoria triseti Speg.	GIANT SPIKE REDTOP Gray leaf speckle	Lewisburg, Benton Co.	647
AGROSTIS HALLII Vasey	WILD BENT		
Phycomycete Indet. e/	Purple leaf speckle	1 mi. west of Summit	91
Rhizoctonia solani Kühn	Leaf rot	Benton County	8489
Scolecotrichum graminis Fckl.	Leaf stripe	Helmick Park	8370
Septogloeum oxysporum Bomm., Rouss. & Sacc.	Char spot	Corvallis	8278
Septoria sp.	Leaf spot	Helmick Park	8370
Uromyces jacksonii Arth. & Fromme	Jackson's rust	Benton County	(2, 7)
AGROSTIS SCABRA Willd.	TICKLEGRASS		
Scolecotrichum graminis Fckl.	Leaf stripe	Upper Klamath Marsh	530
Septogloeum oxysporum Bomm., Rouss. & Sacc.	Char spot	Cornucopia	(Fischer)
AGROSTIS HOWELLII Scribn.	HOWELL'S BENT		
Hendersonia culmicola var. minor Sacc.	Leaf & sheath rot	W. fork of Hood Riv.	804
AGROSTIS LONGILIGULA Hitchc.	PACIFIC BENT		
Puccinia coronata Corda	Crown rust	Coast	(2, 7)
AGROSTIS PALLENS Trin.	DUNE BENT (Seashore bent)		
Uromyces jacksonii Arth. & Fromme	Jackson's rust	Coast	(7)

AGROSTIS PALUSTRIS Huds.

- (A. maritima Lam.)
- Claviceps purpurea (Fr.) Tul.
- Fusarium culmorum (W.G.Sm.) Sacc.
- F. nivale (Fr.) Ces. f/
- F. nivale (Fr.) Ces. var. majus Vr.
- Macrophoma sp.
- Mastigosporium rubricosum (Dearn. & Barth.)

Sprague

Ovularia pulchella (Ces.) Sacc. ar. (?)

- Phycomycete Indet. e/
- Puccinia coronata Corda
- Rhizoctonia solani Kühn
- Septoria calamagrostidis (Lib.) Sacc.
- Phaeoseptoria sp.
- Septoria triseti Speg.
- Tilletia pallida Fisch.
- Uromyces jacksonii Arth. & Fromme
- Ustilago striaeformis (Westd.) Niessl

AGROSTIS STOLONIFERA L.

- Mastigosporium rubricosum (Dearn. & Barth.)

Sprague

AGROSTIS TENUIS Sibth.

- Claviceps purpurea (Fr.) Tul.
- Corticium solani (Prill. & Del.) Bourd. & Galz.
- Darluca filum (Biv.) Cast.
- Fusarium cymorum (W.G.Sm.) Sacc.
- F. nivale (Fr.) Ces.
- F. exyosporum Sahlb.
- Helminthosporium stenacrum Drechs.
- Mastigosporium rubricosum (Dearn. & Barth.)

Sprague

CREEPING BENT

(Seaside bent)

- Ergot 10, 316
- Root rot 10, 447
- Snow mold 10, 447
- Leaf spot 34
- 39

Clatsop County

Corvallis

Willamette Valley

6 mi. S. of Newport

6 mi. S. of Newport

Red eye spot

Coast region,

Willamette Valley

Tan leaf spot

10, 308

Corvallis

10, 131

Corvallis, Summit

Purple leaf speckle

W. Oreg.

69

Crown rust

Corvallis

10, 447

Secondary root rot

W. Oreg.

c/ 8490

Leaf spot

6 mi. S. of Newport

Leaf spot

39

Gray leaf speckle

Near Newport

Head smut

Coast

8303

Jackson's rust

Hood River

Stripe smut

Near Salem

Red eye spot

Astoria in plots

8263

COLONIAL BENT (Astoria bent)

Ergot

Astoria

10, 029

Brown patch

W. Oreg.

On Puccinia coronata

Astoria, Hebo

Root rot

W. Oreg.

365

Snow mold

Corvallis

Secondary root rot

Corvallis

Leaf blight

Corvallis

10, 747

Red eye spot

Coast region,

Willamette Valley

10, 585

f/ The cause of the winter "snow mold" of grasses is greatly in need of study both from a control and a taxonomic standpoint.

Phycomycete Indet. e/	Purple leaf speckle	Willamette Valley, Coast Region Astoria	107;49;156 10, 734
Puccinia coronata Corda	Crown rust	Astoria	10, 734
P. graminis Pers.	Stem rust	Benton County	10, 052
Robillarda agrostidis Sprague	Leaf rot	Corvallis	42
Septoria triseti Spæg.	Gray leaf speckle	W. Oregon	10, 483
Ustilago striaeformis (Westd.) Niessl.	Stripe smut	Corvallis	18
AGROSTIS VERTICILLATA Vill.	WATER BENT	Sherman County	10, 287
Erysiphe graminis DC.	Powdery mildew	Astoria	8262
Mastigosporium rubricosum (Dearn. & Barth.) Sprague	Red eye spot		
AIRA (See DESCHAMPSIA)			
ALOPECURUS AEQUALIS Sobol.	SHORTAWN FOXTAIL (Little meadow foxtail)	Upper Klamath Lake	10, 058
Scolecotrichum graminis Fckl.	Leaf stripe		
ALOPECURUS GENICULATUS L.	WATER FOXTAIL	Crater Nat'l Forest	518
Scolecotrichum graminis Fckl.	Leaf stripe		
ALOPECURUS PRATENSIS L.	MEADOW FOXTAIL	Astoria	10, 705
Claviceps purpurea (Fr.) Tul.	Ergot	Astoria	10, 291
Puccinia coronata Corda	Crown rust	Astoria	10, 706
P. graminis Pers.	Stem rust	Corvallis	10, 275
Rhynchosporium sp.	Leaf scald	Corvallis	10, 275
Scolecotrichum graminis Fckl.	Leaf stripe	Corvallis	10, 275
ALOPECURUS SACCATUS Vasey	PACIFIC MEADOW FOXTAIL	Corvallis	(2, 7)
Puccinia graminis Pers.	Stem rust		
AMMOPHILA ARENARIA (L.) Link	EUROPEAN BEACHGRASS	Lake Lytle	8386
Cladosporium sp.	Leaf mold		

ANTHOXANTHUM ODORATUM L. Cladosporium herbarum Lk.	SWEET VERNALGRASS Leaf mold	Near Seaside (F.D. Bailey) Tillamook and Multnomah Cos.	645
Colletotrichum graminicolum (Ces.) Wils.	Anthraxnose	Corvallis & coast region	8264
Helminthosporium dematioides Bubak & Wrob.	Leaf spot	10 mi. S. of Seaside Triangle Lake	10,265 105 264
Phycomycete Indet. ^{e/}	Leaf spot		
Phyllosticta anthoxanthella Sprague	Leaf blotch		
ARRHENATHERUM ELATIUS (L.) Mert. & Koch. Ascochyta graminicola Sacc. Claviceps purpurea (Fr.) Tul. Ovularia pulchella (Ces.) Sacc. Puccinia graminis Pers. Scolecotrichum graminis Fckl. Septogloeum oxysporum Bonm., Rouss. & Sacc.	TALL OATGRASS Purple leaf speckle Ergot Leaf spot Stem rust Leaf stripe Char spot	Corvallis Corvallis Bonnevillie Astoria in plots Western Oregon Willamette Valley, Astoria General	21 25,979 8433 10,293 10,132 <u>e/</u> 10,136 1813
Ustilago perennans Rostr.	Head smut		
AVENA BARBATA Brot. Puccinia graminis avenae Eriks. & Henn.	SLENDER WILD OAT Stem rust	Myrtle Point	10,436
AVENA BYZANTINA C. Koch Ascochyta sp. Erysiphe graminis DC. Fusarium culmorum (N.G.Sm.) Sacc. F. oxysporum Schl. F. poae (Pk.) Wr. Helminthosporium avenae Eidam H. sativum P.K. & B. Ophiobolus graminis Sacc. Pseudodiscosia avenae Sprague & Johnson	RED OAT White leaf spot Powdery mildew Root rot Secondary root rot Head blast Leaf spot Root rot Take-all Red leather leaf	Troutdale Scattered in coast region W.Oreg. & Moro Micro, western Oreg. Astoria Coast Lincoln County Curry & Marion Cos. Astoria, Willamette Valley	10,243 <u>e/</u> 7212 <u>e/</u> 8308 <u>e/</u> 10,115 10,112 7600 8266 (12)

Puccinia coronata Corda
P. graminis Pers.
Rhizoctonia solani Kühn
Septoria tritici Rob. f. *avenae* (Desm.) Sprague
Ustilago avenae (Corda) Jens.
Ustilago kolleri Wille (U. *levis* (Kell & Sw.) Magn.)

AVENA FATUA L.

Erysiphe graminis DC.
Fusarium culmorum (W.G.Sm.) Sacc.
Helminthosporium avenae Eidam
Puccinia coronata Corda
P. graminis Pers.
Rhizoctonia solani Kühn
Septoria tritici Rob. f. *avenae* (Desm.) Sprague

AVENA NUDA L.

Puccinia coronata Corda
P. graminis avenae Eriks. & Henn.

AVENA SATIVA L.

Bacterium striafaciens Elliott [Phycomonas s. Bergey et al.]
Cercospora herpotrichioides Fron
Colletotrichum graminicolum (Ces.) Wils.
Erysiphe graminis DC.
Darluca filum (Biv.) Cast.
Fusarium culmorum (W.G.Sm.) Sacc.
F. poae (Pk.) Wr.
Helminthosporium avenae Eidam
H. sativum P.B. & K.
Heterosporium avenae Oud.
Ophiobolus graminis Sacc.
Pseudodiscosia avenae Sprague & Johnson

Crown rust
Stem rust
White foot rot
Leaf blotch
Loose smut
Covered smut
General

Coast
W. Oregon
Lincoln & Lane Cos.
W. Oregon
Scattered

(10) 10,032
(9)
1820
1820

WILD OAT

Powdery mildew
Root rot
Leaf spot
Crown rust
Stem rust
White foot rot
Leaf blotch

Corvallis, Mosier
Linn County
W. Oregon
Lincoln County
Willamette
Lincoln County
Benton, Lincoln &
Cocs Counties

1101
48
e/
7537
(2, 7)
10,477
10,031

NAKED OATS

Crown rust
Stem rust

10,718
10,718

OAT

Bacterial stripe blight
Foot rot
Anthracnose
Powdery mildew
on *Puccinia graminis*
Root rot
Head blast
Leaf spot
Root rot
Leaf mold
Take-all
Red leather leaf

Corvallis
Wasco County
Lincoln County
Scattered
Willamette Valley
W.Oreg. & Moro
Hood River, Astoria,
and Warrenton
W. Oregon
Lincoln County
Forest Grove
Marion County
Western Oregon

(A.G. Johnson)
(14)
5196
10,158
7532
(8)
10,355
c/ 10,116
10,114 (13)
10,452
10,160
(12) 10,045

Puccinia coronata Corda	W. Oreg.	(2, 7)
P. graminis Pers.	W. Oreg.	(2, 7)
Rhizoctonia solani Kühn	Lincoln & Lane Cos.	(10) c/
Septoria tritici Rob. f. avenae (Desm.) Sprague	W. Oregon	(9) 10,035
Ustilago avenae (Corda) Jens.	Scattered	1064
U. kolleri Wille (U. levis [Kell. & Sw.] Megn.)	General	3821
Wojnowicia graminis (McAlp.) Sacc.	Wasco, Union, & Umatilla Counties	(11) c/
B. BOO (GENUS INDET.) ycosphaerella tulasnei Jacz.	Corvallis	10,628
BECKMANNIA SYZIGACHNE (Steud.) Fern. (B. erucaeformis Am. Auth.)		
Puccinia graminis Pers.	Corvallis	(2, 7)
Scolecotrichum graminis Fekl.	W. Oregon	10,060
Uromyces beckmanniae Jacks.	W. Oregon	(2, 7)
BROMUS AREMARIUS Labill.		
Scolecotrichum graminis Fekl.	Tygh Ridge (Wasco Co.)	10,085
BROMUS CARINATUS Hook. & Arn. ^{h/}		
Ascochyta graminicola Sacc. var. diedickeana Baudys & Picb.	Hood River, Whitson	10,200
Bacterium coronafaciens atropurpureum (Reddy & Godkin [Phytomonas c. atropurpurea ; Magrou])	Corvallis	10,592
Claviceps purpurea (Fr.) Tul.	S. Benton County	10,731
Corticium solani (Prill. & Del.) Bourd. & Galz. (Ithizocoonia solani Kühn)	Hood River	10,245
Darlucia filum (Biv.) Cast.	Corvallis	790
Erysiphe graminis DC.	Wasco & Benton Cos.	10,221
Heterosporium sp.	Mt. Hood	1558-A
Phycomycete Indet. ^{e/}	Glenwood	459
Puccinia glumarum (Schm.) Eriks. & Henn.	Medford, Corvallis	Univ. of Idaho Herb.
P. rubigo-vera (DC.) Wint.	General	(2, 7)

^{h/} Includes B. marginatus and B. polyanthus.

Leaf stripe 10,061
Western leaf spot 10,372
Brome smut 10,521

General
General
Scattered

Scolecotrichum graminis Fckl.
Septoria jaccuella Sprague
Ustilago bullata Berk.

RESCUE GRASS
Leaf rust 10,105
Brome smut 10,686

Corvallis
Astoria in plots

BROMUS CATHARTICUS Vahl.
(*B. unioloides* H.B.K.)
Puccinia rubigo-vera (DC.) Wint.
Ustilago bullata Berk.

HAIRY CHESS
on *Puccinia rubigo-vera* 10
Leaf rust (2)
Leaf spot Gen. in Willamette
Brome smut 10,394
General 1200

Corvallis
W. Oregon
Gen. in Willamette
Valley
General

BROMUS COMMUTATUS Schrad.
Darluca filum (Biv.) Cast.
Puccinia rubigo-vera (DC.) Wint.
Septoria bromi Sacc.
Ustilago bullata Berk.

ERECT BROME
Chocolate spot 10,711

Chocoma

BROMUS ERECTUS Huds.
Bacterium coronafaciens atropurpureum
Reddy & Godkin [Phytomonas]

TALL BROME
Leaf rust (2, 7)

Corvallis

BROMUS GRANDIS (Shear) Hitchc.
Puccinia rubigo-vera (DC.) Wint.

SMOOTH BROME
Leaf stripe 10,104
Brome smut (1)

Grant County

BROMUS INERMIS Leyss.
Scolecotrichum graminis Fckl.
Ustilago bullata Berk.

SOFT CHESS
(Soft cheat)
Leaf rust (2, 7)
Leaf spot 10,995
Smut Fischer's coll.
Brome smut 1814

W. Oregon
W. Oregon
5 mi. E. of Weston
General

BROMUS MOLLIS L.
(*B. hordeaceus* Am. Auth.)
Puccinia rubigo-vera (DC.) Wint.
Septoria bromi Sacc.
Tilletia guyotiana Har.
Ustilago bullata Berk.

ORCUTT BROME
Take-all 7599
Leaf stripe 10,064

Curry County
Siskiyou Mts.

BROMUS ORCUTTIANUS Vasey
Ophiobolus graminis Sacc.
Scolecotrichum graminis Fckl.

BROMUS PACIFICUS Shear					
Puccinia rubigo-vera (DC.) Wint.					10,678
Scolecotrichum graminis Fekl.					10,066
BROMUS RACEMOSUS L.					10,250
Erysiphe graminis DC.					(2, 7)
Puccinia rubigo-vera (DC.) Wint.					10,811
Septoria bromi Sacc.					10,089
Ustilago bullata Berk.					
BROMUS RIGIDUS Roth.					
Bacterium coronafaciens atropurpureum Reddy & Godkin [Phytomonas]					10,950
Cercospora bromi Sprague					10,405
Puccinia rubigo-vera (DC.) Wint.					(2, 7)
Septoria jaccucella Sprague					424
BROMUS SECALINUS L.					(2, 7)
Puccinia rubigo-vera (DC.) Wint.					10,402 c/
Septoria bromi Sacc.					1821
Ustilago bullata Berk.					
BROMUS SECALINUS L. var. VELUTINUS (Schrad.) Koch					10,430
Ustilago bullata Berk.					
BROMUS SITCHENSIS Trin.					
Puccinia glumarum (Schm.) Eriks. & Henn.					Herb. Univ. of Idaho (2)
P. rubigo-vera (DC.) Wint.					
BROMUS STERILIS L.					10,487
Erysiphe graminis DC.					
BROMUS TECTORUM L.					
Cercospora herpotrichioides Fron.					c/
Fusarium culmorum (W.G.Sm.) Sacc.					c/
PACIFIC BROME					
Leaf rust					
Leaf stripe:					
SMOOTH FLOWERED SOFT CHEAT					
Powdery mildew					
Leaf rust					
Leaf spot					
Brome smut					
RIPGUT GRASS					
Chocolate spot					
Gray leaf spot					
Leaf rust					
Western leaf spot					
CHESS (Cheat)					
Leaf rust					
Leaf spot					
Brome smut					
CHESS					
Brome smut					
ALASKA BROME					
Stripe rust					
Leaf rust					
BARREN CHEAT					
Powdery mildew					
DOWNY CHESS (downy brome)					
Cercospora foot rot					
Root rot					

<i>Puccinia rubigo-vera</i> (DC.) Wint.	Leaf rust	Columbia County	(2, 7)
<i>Ustilago bullata</i> Berk.	Brome smut	E. Oregon	10,290
<i>Wojnowicia graminis</i> (McAlp.) Sacc.	Secondary root rot	Union County	c/
BROMUS VULGARIS (Hook.) Shear			
<i>Cercospora bromi</i> Sprague	NARROW FLOWERED BROME	Sourgrass Crk.,	467
<i>Darluca filum</i> (Biv.) Cast.	Gray leaf spot	Yamhill County	
<i>Mastigosporium cylindricum</i> Sprague	Parasite on leaf rust	Near Pacific Grange,	347
<i>Puccinia rubigo-vera</i> (DC.) Wint.	Brown spot	Clatsop County	
<i>CALAMAGROSTIS CANADENSIS</i> (Michx.) Beauv.	Leaf rust	Mehl Creek Road,	488
<i>Puccinia coronata</i> Corda	Leaf rust	Douglas County	(2, 7)
<i>Urocystis agropyri</i> (Preuss.) Schroet.	Leaf rust	W. Oregon	
<i>CALAMAGROSTIS INEXPANSA</i> A. Gray	BLUEJOINT	Columbia County	(2, 7)
<i>Puccinia coronata</i> Corda	Crown rust	Mann's Lake	(4) (W.A.F.
	Smut		222) d/
<i>CALAMAGROSTIS NUTKAENSIS</i> (Presl.) Steud.	NORTHERN REEDGRASS (Narrow spiked reedgrass)	Astoria	(2, 7)
<i>Claviceps purpurea</i> (Fr.) Tul.	Crown rust		
<i>Coniothyrium psammae</i> Oud.	PACIFIC REEDGRASS	Delmoor Bog, Clatsop	703
<i>Darluca filum</i> (Biv.) Cast.	Ergot	County	10,817
<i>Mycosphaerella tassiana</i> (DeNot.) Johans.	Leaf spot	Taft, Waldport	10,325; 33
<i>Puccinia coronata</i> Corda	Parasite on crown rust	Coast	10,817
<i>P. pygmaea</i> Eriks.	Leaf spot	Taft	33
<i>Septoria arctica</i> Berk. & Curtis	Crown rust	Coast	(2, 7)
	Rust	Newport	
	Leaf blotch	Seaside, (Delmoor Bog)	709
<i>CALAMAGROSTIS RUBESCENS</i> Buckl.	PINEGRASS	Cornucopia	(Fischer)
<i>Cladosporium herbarum</i> Lk.	Leaf mold	Cornucopia	(Fischer)
<i>Colletotrichum graminicolum</i> (Ces.) Wils.	Anthracnose		
<i>CENCHRUS PAUCIFLORUS</i> Benth.	FIELD SAND BUR (Burggrass)	Hermiston	Sent to Zundel
<i>Sorosporium syntherismae</i> (Pk.) Farl.	Smut		15

CORTADERIA SELLOANA (Schult.) Aschers. & Graebn. Hendersonia culmiseda Sacc.	PAMPASGRASS Leaf spot	Bayview, Lincoln Co.	819
DACTYLIS GLOMERATA L. Claviceps purpurea (Fr.) Tul. Colletotrichum graminicola (Ces.) Wils. Erysiphe graminis DC. Fusarium avenaceum (Fr.) Sacc. Mastigosporium rubricosum (Dearn. & Barth.) Sprague Phylosticta owensii Sprague Phycomycete Indet. e/ Puccinia graminis Pers. Rhynchosporium orthosporum Caldwell Scolecotrichum graminis Fekl. Selenophoma donacis var. stomaticola (Bauml.) Sprague & Johnson Stagonospora arenaria Sacc.	ORCHARD GRASS Ergot Anthracnose Powdery mildew Culm canker Purple leaf spot Leaf rot Red leaf speckle Stem rust Leaf scald Leaf stripe Selenophoma speckle Purple blotch	N.W. Oregon Greenhouse, OSC, Corvallis Columbia Gorge; Umatilla County S. fork of Santiam Riv. W. Oregon Waldport Wren W. Oregon Benton County General Troutdale Wallace Bridge	10,527 690 10,055;142 679 10,011 10,595 86 (2, 7) 10,124 7591 10,379 c/ 742
DANTHONIA CALIFORNICA var. AMERICANA (Scribn.) Hitchc. (D. americana Scribn.) Cladosporium sp. (? parasite) Scolecotrichum graminis Fekl. Selenophoma donacis var. stomaticola (Bauml.) Sprague & Johnson Ustilago residua Clinton	WILD OATGRASS Speckled mold Leaf stripe Catgrass eye spot Smut	Willamette Valley Corvallis Linn and Benton Cos. Benton, Marion, & Linn Counties	8255 10,193 629 1254
DANTHONIA INTERMEDIA Vasey Pleospora sp.	TIMBER OATGRASS (Mountain oatgrass) Leaf rot	Mt. Hood	10,101
DESCHAMPSIA CAESPITOSA (L.) Beauv. Hendersonia culmicola var. minor Sacc. Hendersonia sp. Phaeoseptoria sp. Scolecotrichum graminis Fekl.	TUFTED HAIRGRASS Leaf spot Leaf rot Leaf rot Leaf stripe	Corvallis Near Granger, near Corvallis Near Granger Linn County	51 809 809 10,673

Septoria poliommela Syd.					
Stagonospora subseriata Sacc.					
Uromyces jacksonii Arth. & Fromme					
DESCHAMPSIA DANTHONIOIDES (Trin.) Munro					
Scolecotrichum graminis Fekl.					
Septoria poliommela Syd.					
Tilletia airae Blytt					
DESCHAMPSIA ELONGATA (Hook.) Munro					
Darluca filum (Biv.) Cast.					
Fusarium avenaceum (Fr.) Sacc.					
Puccinia graminis Pers.					
Uromyces jacksonii Arth. & Fromme					
DISTICHLIS STRICTA (Torr.) Rydb.					
Dothidella aristidae (S.) Ell. & Ev.					
Puccinia aristidae Tracy					
Ustilago hypodytes (Schl.) Fr.					
ECHINOCHLOA CRUS-GALLI (L.) Beauv.					
(?) Epicoccum sp.					
Ustilago crus-galli Tracy & Earle					
ELYMUS ARENICOLA Scribn. & Smith					
Claviceps purpurea (Fr.) Tul.					
Puccinia procera Diet. & Holw.					
P. rubigo-vera (DC.) Wint.					
ELYMUS CANADENSIS L.					
Claviceps purpurea (Fr.) Tul.					
Puccinia rubigo-vera (DC) Wint.					
ELYMUS CONDENSATUS Presl					
Claviceps purpurea (Fr.) Tul.					
Erysiphe graminis DC.					
Tan leaf spot	Near Granger	809			
Leaf rot	Corvallis	51			
Jackson's Rust	Lincoln County	(2, 7)			
ANNUAL HAIRGRASS					
Leaf stripe	Douglas County	10,068			
Tan leaf spot	Benton County	c/ 8491			
Smut	-----	(4)			
SLENDER HAIRGRASS					
Parasite on rust	Tillamook County	332			
Parasite on rust	Tillamook County	332			
Stem rust	-----	(2)			
Jackson's rust	Willamette Valley	(2, 7)			
DESERT SALTGRASS					
Char spot	Baker and E. Oregon	g/			
Rust	E. Oregon	(2, 7)			
Sheath smut	S. Oregon	3646			
BARNYARD GRASS					
Head mold	Astoria	8374			
Smut	S.E. Oregon	(4) (WAF 212) d/			
SAND RYEGRASS					
Ergot	Biggs	10,508			
California rust	Umatilla & Sherman Cos.	(7)			
Leaf rust	E. Oregon	(2)			
CANADA WILD-RYE					
Ergot	E. Oregon	1804			
Leaf rust	Umatilla County	g/			
GIANT WILD-RYE					
Ergot	Union & Umatilla Cos.	10,694			
Powdery mildew	E. Oregon	(W.A.F. 163) d/			

Heterosporium avenae Oud.	Leaf blight	Sherman County	10,230
Puccinia glumarum (Schm.) Eriks. & Henn.	Stripe rust	Moro	(6) Herb. Univ. of Idaho
P. graminis Pers.	Stem rust	Union County	10,690
P. procera Diet. & Holw.	California rust	Fossil	10,123
P. rubigo-vera (DC.) Wint.	Leaf rust	E. Oregon	(2, 7)
Septoria infuscans (Ell. & Ev.) Sprague	Brown leaf blotch	Sherman, Jefferson, Gilliam & Umatilla Cos.	657
Selenophoma donacis (Pass.) Sprague & Johnson	Selenophoma speckle	Wasco County	8451
Ustilago hypodytes (Schl.) Fr.	Stem smut	-----	(4)
ELYMUS GLAUCUS Buckl.	BLUE WILD RYE	Fall Creek	10,236
? Bacterium sp.	Leaf rot	Troutdale	10,945
Cladosporium herbarum (Pers.) Lk.	Leaf mold	Benton County	10,730
Claviceps purpurea (Fr.) Tul.	Ergot	Linn County	175
Darluca filum (Biv.) Cast.	On Puccinia glumarum	Bonneville	8457
Fusarium avenaceum (Fr.) Sacc.	On rust	Wren	88
Phycomycete Indet. e/	Purple leaf speckle	Bonneville	8448
Phyllactinia corylea (Pers.) Karst.	Powdery mildew	Benton County	(2, 6, 7)
Puccinia glumarum (Schum.) Eriks. & Henn.	Stripe rust	Benton & Crook Cos.	(2, 7)
P. graminis Pers.	Stem rust	W. Oregon	(2, 7)
P. rubigo-vera (DC.) Wint.	Leaf rust	Scapoose, Corvallis	141 c/
Rhizoctonia solani Kühn	Leaf rot	Linn County	10,276
Rhynchosporium secalis. (Oud.) J.J. Davis	Leaf scald	Linn and Marion Cos.	10,095
R. orthosporum Caldwell	Leaf scald	Benton County	7528
Scolecotrichum graminis Fekl.	Leaf stripe	W. Oregon	c/ 392
Septoria elymi Ell. & Ev.	Leaf mottle	Crater Lake	10,392
Selenophoma donacis (Pass.) Sprague & Johnson	Selenophoma speckle	Linn County	8487
Stagonospora arenaria Sacc.	Purple leaf blotch	Carson (Baker County)	DC Smith
Tilletia elymi Diet. & Holw.	Smut		
ELYMUS HIRSUTUS Presl	HAIRY SEEDED WILD RYE	S. fork Santiam River,	646
Helminthosporium tritici-repentis Died.	Brown leaf speckle	Linn County	
ELYMUS MOLLIS Trin.	AMERICAN DUNEGRASS	Warrenton	10,328
Claviceps purpurea (Fr.) Tul.	Ergot	Warrenton	10,329
Darluca filum (Biv.) Cast.	Parasite on rust		

- Puccinia rubigo-vera* (DC.) Wint. 10,329
Septoria pacifica Sprague Lincoln & Tillamook Cos. 10,376
Stagonospora subseriata Sacc. Manhattan, Lake Lytle 707
Tiarospora perforans (Rob.) Höhn. Tillamook County 10,958
- Leaf rust Coast
 Black stripe Lincoln & Tillamook Cos.
 Leaf spot Manhattan, Lake Lytle
 Leaf speckle Tillamook County
- BEARDLESS WILD-RYE (Alkali ryegrass)
 Ergot La Grande 10,689
 Brown stripe rust Talent 10,635
 Leaf rust Sherman County (2, 7)
 Leaf speckle Klamath Falls 10,380
 Brown leaf blotch Eastern Oregon 10,380
 Leaf stripe Squaw Butte 837
- VANCOUVER DUNEGRASS
 Leaf rust Astoria Fischer's coll.
- FFESCUE
 Take-all East Corvallis, Linn Co. g/
 Tar spot S. fork Alsea River 322
 Leaf spot Roaring River, Linn Co. 186
- BLUEGRASS FESCUE (Idaho fescue)
 Rust Blue Mts. (2, 7)
- MEADOW FESCUE
 Leaf mold Granger 10,960
 Ergot Astoria g/
 Crown rust Lincoln County (2, 7)
 Stem rust Benton and Lane Cos. (2, 7)
 Rust W. Oregon (2, 7)
- FESCUE
 Leaf mold Granger 10,506
- FOXTAIL FESCUE
 Blight Benton County 10,818
 Take-all Linn and Benton Cos. g/
 Brown leaf spot Linn, Benton & Lincoln Cos. 10,271
- Puccinia rubigo-vera* (DC.) Wint.
Septoria pacifica Sprague
Stagonospora subseriata Sacc.
Tiarospora perforans (Rob.) Höhn.
- ELYMUS TRITICOIDES Buckl.
Claviceps purpurea (Fr.) Tul.
Puccinia montanensis Ellis.
P. rubigo-vera (DC) Wint.
Septoria elymi-europaei Jaap
S. infuscans (Ell. & Ev.) Sprague
Scolecotrichum graminis Fckl.
- ELYMUS VANCOUVERENSIS Vasey
Puccinia rubigo-vera (DC.) Wint.
- FESTUCA DERTONENSIS (All.) Aschers. & Graben.
Ophiobolus graminis Sacc.
Phyllachora sylvatica Sacc. & Speg.
Septoria tenella Cke. & Ell.
- FESTUCA IDAHOENSIS Elmer
Puccinia crandallii Pam. & Hume
- FESTUCA ELATIOR L.
Cladosporium herbarum (Pers.) Lk.
Claviceps purpurea (Fr.) Tul.
Puccinia coronata Cda.
P. graminis Pers.
P. poae-sudeticae (Westd.) Jørstad
- FESTUCA MAIREI St. Yves
Cladosporium herbarum (Pers.) Lk.
- FESTUCA MEGALURA Nutt.
Mycosphaerella sp.
Ophiobolus graminis Sacc.
Ovularia pulchella (Ces.) Sacc.

Phyllachora sylvatica Sacc. & Speg.	Tar spot	Linn County	10,491
Puccinia graminis Pers.	Stem rust	Corvallis	(2, 7)
FESTUCA MYUROS L.	RAF TAIL FESCUE		
Corticium fuciforme (McAlp.) Wak.	Pink patch	Bayview, Lincoln Co.	823
Ophiobolus graminis Sacc.	Take-all	Lincoln County	g/
Ovularia pulchella (Ges.) Sacc.	Brown leaf spot	W. Oregon	10,125
Puccinia graminis Pers.	Stem rust	Willamette Valley	(2)
FESTUCA CCTOFLOA Walp.	SIXWEEKS FESCUE (slender fescue)		
Rhizoctonia solani Kunz	Brown patch	Bayview, Lincoln Co.	556
Tilletia fusca Ell. & Ev.	Smut	-----	(4)
Ustilago mulfordiana Ell. & Ev.	Smut	-----	(4)
FESTUCA OCCIDENTALIS Hook.	WESTERN FESCUE		
Phyllachora sylvatica Sacc. & Speg.	Tar spot	Mehl Creek, Douglas Co.	479
FESTUCA PACIFICA Piper	PACIFIC FESCUE		
Puccinia graminis Pers.	Stem rust	Corvallis	(2, 7)
P. piperi Ricker	Piper's rust	Eight Dollar Mt. (S. Oreg.)	(2, 7)
Ustilago mulfordiana Ell. & Ev.	Smut	Columbia R.	1371
FESTUCA RUBRA L.	RED FESCUE		
Ascochyta graminicola Sacc. var. brachypodii Trail	Leaf spot	Garibaldi	8377
Cercospora subulata Sprague	Eye spot	Halsey	10,989
Darluca filum (Biv.) Cast.	on Rust	Garibaldi, Lake Lytle	510; 748
Hendersonia sp.	Secondary leaf rot	Garibaldi	749
Hendersonia culmicola var. minor Sacc.	Leaf mold	Near Newport	35
Mycosphaerella tulasnei Jacz.	Leaf mold	Corvallis	H.A. Rampton
Phaeoseptoria sp.	Secondary leaf rot	Garibaldi; King's Valley	8376
Phyllachora sylvatica Sacc. & Speg.	Tar spot	Newport	10,174
Puccinia crandallii Pan. & Hume	Rust	Union, Benton, Tillamook and Lincoln Cos.	748
Septoria tenella Cke. & Ell.	Tan leaf spot	Corvallis	(2, 7) H.A. Rampton

FESTUCA RUBRA var. COMMUTATA Gaud.			
Cladosporium herbarum Lk.			
Corticium fuciforme (McAlp.) Wak.			
C. solani (Prill. & Del.) Bourd. & Galz.			
(Rhizoctonia solani Kühn)			
Fusarium sp.			
F. nivale (Fr.) Sor.			
Hendersonia sp.			
Phycomycete e/			
Septoria tenella Cke. & Ell.			
FESTUCA SCARBRELLA Torr.			
Puccinia crandallii Pam. & Hume			
FESTUCA SUBULATA Trin.			
Phyllosticta sp.			
Puccinia coronata Corda			
P. crandallii Pam. & Hume			
FLUMINEA FESTUCACEA (Willd.) Hitchc.			
Ustilago arthuri Hume			
GASTRIDIVM VENTRICOSUM (Gouan) Schinz & Thell.			
Helminthosporium sp.			
GLYCERIA ELATA (Nash) Hitchc.			
Puccinia coronata Cda.			
Septoria nodorum Berk.			
Ustilago longissima (Sow.) Tul.			
GLYCERIA FLUITANS (L.) R. Br.			
Scoleotrichum graminis Fckl.			
CHEWINGS FESCUE			
Secondary seed mold	Benton County	692	
Pink patch	Astoria, Portland, Corvallis	687	
Brown patch	Portland	E. 511	
Scab	Astoria	8315	
Snow mold	Portland	E. 410	
Leaf rot	Sulfur Springs Road, Benton County	810	
Purple leaf speckle	Corvallis	59	
Tan leaf spot	W. Oregon	10,582	
ROUGH FESCUE (Buffalo bunchgrass)			
Rust	E. Central Oregon	(7) 1424	
BEARDED FESCUE (Nodding fescue)			
Leaf spot	Silver Creek Falls	270	
Crown rust	Coast Range	(7)	
Rust	Ashland, Silver Creek Falls	(2, 7)	
FLUMINEA GRASS			
Smut	-----	(4)	
NIT-GRASS			
White leaf spot	S. Willamette Valley	g/	
TALL MANNAGRASS			
Crown rust	Clatskanie	(2, 7)	
Leaf spot	Cornucopia, Elgin	(Fischer)	
Smut	Clatskanie	1810	
MANNAGRASS			
Leaf stripe	Benton County	10,152	

GLYCERIA GRANDIS S. Wats. Scoleotrichum graminis Fekl. Ustilago longissima (Sow.) Tul.	AMERICAN MANNAGRASS Leaf stripe Smut	Portland -----	10,070 (15)
GLYCERIA PAUCIFLORA Presl Puccinia coronata Corda	WEAK MANNAGRASS Crown rust	N.W. Oreg.	(2, 7)
GLYCERIA SEPTENTRIONALIS Hitchc. Scoleotrichum graminis Fekl.	EASTERN MANNAGRASS Leaf stripe	Tillamook	10,076
GLYCERIA STRIATA (Lam.) Hitchc. (Panicularia nervata Kuntze) Scoleotrichum graminis Fekl. Septoria nodorum Berk.	FOWL MANNAGRASS Leaf stripe Leaf spot	Umpqua Valley Hoover	10,071 10,177
HESPEROCHLOA KINGII (S.Wats.) Rydb. (FESTUCA KINGII Cassidy, F. confinis Vasey) Puccinia crandallii Pam. & Hume	SPIKE FESCUE Rust	S.E. Oregon	(7)
HIEROCHLOE OCCIDENTALIS Buckl. (Torresia macrophylla Hitchc.) Puccinia graminis Pers.	GIANT VANILLAGRASS (California sweetgrass) Stem rust	Benton County	(7) 10,086
HOLCUS LANATUS L. Cercospora holci Sprague Claviceps purpurea (Fr.) Tul. Darlucua filum. (Biv.) Cast.	VELVET GRASS Tan leaf spot Ergot Parasite on rust	W. Oregon Coast Region Waldport and Hood River	10,202 1727 10,503 1229
Dilophospora alopecuri (Fr.) Fr. Helminthosporium triseptatum Drechs. Ophiobolus graminis Sacc. Ovularia pulchella (Ces.) Sacc. Puccinia coronata Corda P. rubigo-vera (DC.) Wint. Rhizoctonia solani Kühn Septoria tritici Rob. f. holci Sprague Tilletia holci (West.) Rostr. Ustilago striaeformis (Westd.) Niesl	Twist disease Leaf mold Take-all Red leaf spot Crown rust Leaf rust White foot rot Leaf blotch Smut Stripe smut	W. Oregon Lincoln County Alsea Mts. Alsea, Tangent Coast W. Oreg. Lincoln Co. N.W. Oreg. ----- Willamette Valley	10,120 10,012 10,666 (2, 7) (2, 7) 10,101 10,108 1378 10,670

TWO ROW BARLEY
 Powdery mildew
 Root rot
 Leaf rust
 Stem rust
 White foot rot
 Leaf scald
 Covered smut

W. Oreg. 670
 W. Oreg. c/
 Lincoln & Marion Cos. 7540
 Corvallis (2, 7)
 Alsea Valley c/
 Linn County 10,273
 Near Dallas, St.
 Helens 10,756

MEDITERRANEAN BARLEY

Stripe rust
 Leaf rot

Corvallis (2, 7)
 Conroy, near Corvallis 22

FOXTAIL BARLEY (Squirrel tail)

Stripe rust
 Leaf scald
 Jackson's rust
 Smut

Paisley (6)10,074
 Corvallis 7559
 Umatilla County (2, 7)
 Baker Fischer's coll.

WALL BARLEY (Mouse barley)

Stripe rust
 Rust
 Leaf scald
 Smut

Corvallis Herb. Univ. of Idaho
 W. Oreg. (2)
 Corvallis 7534
 Wheatland 10,050

MEADOW BARLEY

Powdery mildew
 Stripe rust
 Stem rust
 Rust
 Leaf stripe
 Leaf smut
 Jackson's rust
 Smut

Andrews (W.A.F.165)d/
 Medford (6) Herb., Univ. of Idaho
 Benton & Union Cos. 10,732
 Coast (2)
 Benton & Union Cos. 10,676
 Linn County 10,749
 Portland (2, 7)
 Central Point & Linn County 10,725

HORDEUM DISTICHON L.
 Erysiphe graminis DC.
 Fusarium culmorum (W.G.Sm.) Sacc.
 Puccinia anomala Rostr.
 P. graminis Pers.
 Rhizoctonia solani Kühn
 Rhynchosporium secalis (Oud.) J.J.Davis
 Ustilago hordei Lagerh.

HORDEUM GUSSONIANUM Parl.
 Puccinia glumarum (Schm.) Eriks. & Henn.
 Rhizoctonia solani Kühn

HORDEUM JUBATUM L.
 Puccinia glumarum (Schm.) Eriks. & Henn.
 Rhynchosporium secalis (Oud.) J.J.Davis
 Uromyces jacksonii Arth. & Fromme
 Ustilago bullata Berk.

HORDEUM MURINUM L.
 Puccinia glumarum (Schm.) Eriks. & Henn.
 P. hordei Fekl.
 Rhynchosporium secalis (Oud.) J.J.Davis
 Ustilago bullata Berk.

HORDEUM NODOSUM L.
 Erysiphe graminis DC.
 Puccinia glumarum (Schm.) Eriks. & Henn.
 P. graminis Pers.
 P. hordei Fekl.
 Scolecotrichum graminis Fekl.
 Urocystis agropyri (Preuss) Schroet.
 Uromyces jacksonii Arth. & Fromme
 Ustilago bullata Berk.

HORDEUM NODOSUM var. *BOREALE* (Scribn. & Smith) Hitchc.
Scolecotrichum graminis Fckl.

HORDEUM VULGARE L.

Bacterium translucens Jones, Johnson, & Reddy [Phytonomas t. Bergéy et al.]
Cercospora herpotrichioides Fron
Claviceps purpurea (Fr.) Tul.
Erysiphe graminis DC.
Fusarium culmorum (W.G.Sm.) Sacc.
Helminthosporium gramineum Rabh.
H. sativum P. K. & B.
H. teres Sacc.
Mycosphaerella tulasnei Jacz.
Ophiobolus graminis Sacc.
Puccinia anomala Rostr.
P. glumarum (Schm.) Eriks. & Henn.
P. graminis Pers.
Rhizoctonia solani Kühn

Rhynchosporium secalis (Oud.) J.J.Davis
Septoria passerinii Sacc.
Ustilago hordei Lagerh.
U. nuda Rostr.
Wojnowicia graminis (McAlp.) Sacc. & D. Sacc.

KOELLEIA CRISTATA (L.) Pers.

Puccinia koeleriae Arth.
P. monoica (Pk.) Arth.
Septoria calamagrostidis (Lib.) Sacc.
 var. *koeleriae* (Cocc. & Mor.) Spr.

LOLIUM MARSCHALLII Stev.

Owlaria pulchella (Ces.) Sacc.

NORTHERN MEADOW BARLEY
 Leaf stripe

Ukiah

10,072

BARLEY

Bacterial blight
 Cercospora foot rot
 Ergot
 Powdery mildew
 Root rot
 Stripe
 Root rot
 Net blotch
 Leaf mold
 Take-all
 Leaf rust
 Stripe rust
 Stem rust
 White foot rot
 Leaf scald
 Leaf spot
 Covered smut
 Loose smut
 Secondary root rot

Corvallis (1)
 Wasco & Union Cos. (14) c/
 1927
 Corvallis (1); 734
 Willamette Valley (1) c/ g/
 W. Oreg. 4822
 Corvallis c/ 10,111
 Coast & E.Oreg. 7423
 Corvallis 384; 489
 Corvallis, Eugene 10,298
 W. Oreg. (2)
 Willamette Valley (2, 6, 7)
 Moro (2, 7)
 Corvallis (10) c/ g/ (14)
 Lincoln, Benton, & Lane Counties 10,020
 General 10,042
 Corvallis (1) 10,525
 General 7071
 Corvallis, Pendleton 7070

Wasco & Union Cos. (11) c/

JUNEGRASS

Rust
 Rust
 Leaf spot

Union County (2, 7)
 Grant County (7) J.R.Weir 237

RYEGRASS

Gray leaf spot

Benton County 10,241

LOLIUM MULTIFLORUM Lam. (L. italicum A. Br.) ITALIAN RYEGRASS
 Ascochyta lolii (West.) Spr. & John. W. Oreg. c/ 10,122
 Bacterium coronafaciens atropurpureum
 Reddy & Godkin [Phytomonas] W. Oreg. 10,550
 Claviceps purpurea (Fr.) Tul. W. Oreg. 1743
 Darluca filum (Biv.) Cast. Corvallis e/
 Fusarium culmorum (W.G.Sm.) Sacc. (8)
 Phytophthora sp. 10,122
 Puccinia coronata Corda W. Oreg. (2, 7)
 P. graminis Pers. 1357
 Rhynchosporium orthosporum Caldwell Corvallis & Ft.
 Yamhill. 10,485
 R. secalis (Oud.) J.J. Davis Corvallis 10,119
 Scolecotrichum graminis Fckl. Corvallis g/
 Septoria tritici Rob. var. lolii (Cast.)
 Sprague & Johnson Benton County c/ 452
 Ustilago sp. W. Oreg. 5207

LOLIUM PERENNE L. PERENNIAL RYEGRASS (English ryegrass)

Ascochyta graminicola Sacc. var. brachypodii Trail Multnomah County 10,239
 A. lolii (West.) Sprague & Johnson W. Oregon 10,219
 Bacterium coronafaciens atropurpureum
 Reddy & Godkin [Phytomonas] Astoria, Corvallis 10,710
 Claviceps purpurea (Fr.) Tul. N.W. Oreg. 10,129
 Colletotrichum graminicolum (Ces.) Wils. 9
 Helminthosporium siccans Drechs. Corvallis 10,135
 Oularia lolii Volkart Corvallis g/
 Puccinia coronata Cda. N.W. Oreg. (2, 7)
 Rhynchosporium orthosporum Caldwell Benton County 10,240
 Scolecotrichum graminis Fckl. Corvallis 10,040
 Septoria tritici Rob. var. lolii (Cast.)
 Sprague and Johnson Benton & Linn Cos. c/ 449
 Ustilago striaeformis (Westd.) Niessl Corvallis 7181

LOLIUM SUBULATUM Vis. NARROW SPIKED RYEGRASS
 Puccinia graminis Pers. Corvallis 3277

LOLIUM TEMULENTUM L. Bacterium coronafaciens atropurpureum Reddy & Godkin [Phytomonas]	DARNEL	Chocolate spot	Wallace Bridge	10,728
MELICA BULBOSA Geyer (M. bella Piper) Scolecotrichum graminis Fckl.	ONIONGRASS	Leaf stripe	Wallowa Mts.	10,075
MELICA SUPULATA (Griseb.) Scribn. Cercospora subulata Spr.	ALASKA ONIONGRASS	Leaf blast	Ochoco Nat'l Forest	10,669
MUHLENBERGIA ANDINA Nutt.) Hitchc. (K. comata Thurb.) Uromyces minimus J.J. Davis	FOXTAIL MUHLY (Hairy Muhlenbergia)	Rust	Wallowa County	(2, 7)
MUHLENBERGIA ASPERIFOLIA (Nees & Mey.) Parodi (Sporobolus asperifolius Nees & Mey.) Phyllachora sp. Tilletia asperifolia Ell. & Ev.	SCRATCHGRASS	Tar spot Smut	Baker -----	Fischer's coll. (4)
MUHLENBERGIA RACEMOSA (Michx.) B.S.P. Uromyces minimus J.J. Davis	MARSH MUHLY (Satin grass)	Rust	Wallowa County	(2, 7)
ORYZOPSIS HYMENOIDES (Roem. & Schult.) Ricker Puccinia scaber (Ell. & Ev.) Barth. Selenophoma donacis var. stomaticola (Bauml.) Sprague and Johnson Ustilago hypodytes (Schl.) Fr.	INDIAN RICE GRASS (Indian millet)	Rust	Celilo	8441
PANICUM MLLACEUM L. Bacterium panici Elliott [Phytomonas P. Bergey et al.] Spirocelotheca panici-miliacei (Pers.) Bubak	BROOMCORN MILLET (Proso or hog millet)	Selenophoma speckle Stem smut	Gilliam County Wasco County	803 (Dana) 7617
PANICUM PACIFICUM Hitchc. & Chase Cercospora fusimaculans Atk.	Leaf blight Smut	Seaside Corvallis		10,332 1806
	PACIFIC PANICUM	Leaf blotch	Mary's Peak	9898 (Zeller)

PHALARIS ARUNDINACEA L.			
Puccinia sessilis Schneid.		Malheur County	(2, 7)
Phaeoseptoria sp.		Corvallis	17
Septoria bromi Sacc. var. phalaricola Sprague		Astoria	10,370
PHALARIS TUBEROSA var. STENOPTERA (Hack.) Hitchc.			
Helminthosporium sativum P.K. & B.		Corvallis	64
Mycosphaerella tulasnei Jacz.		Corvallis	396
Puccinia sessilis Schneid.		Corvallis	10,106
Rhizoctonia solani Kühn		Corvallis	64
Phaeoseptoria sp.		Corvallis	396
PHLEUM PRATENSE L.			
Claviceps purpurea (Fr.) Tul.		Coast	1731
Heterosporium phlei Gregory		Astoria, Corvallis	10,744
Puccinia graminis phlei-pratensis (Eriks. & Henn.) Stak. & Piem.		General	(2, 7)
Scolecotrichum graminis Fckl.		General	7543
Ustilago striaeformis (Westd.) Niessl		General	1694
PHRAGMITES COMMUNIS Trin.			
Puccinia phragmites (Schum.) Körn.		Young's Bay, Astoria	10,683
Scolecotrichum maculicola Ell. & Kell.		Young's Bay, Astoria	10,683
PLEUROPOGON REFRACTUS (A. Gray) Benth.			
Ascochyta graminicola Sacc. var. brachypodii Trail		Bergsvik Creek, Clatsop County	197
POA AMPLA Merr.			
Puccinia poae-sudeticae (West.) Jørstad		Hood River	(2)
P. rubigo-vera (DC) Wint.		Hood River	(2, 7)
Selenophoma donacis var. stomaticola (Bauml.) Sprague & Johnson		The Dalles	115
REED CANARYGRASS			
Rust			
Leaf rot			
Leaf spot			
HARDING GRASS			
Leaf mold			
Leaf mold			
Rust			
Leaf rot			
Leaf rot			
TIMOTHY			
Ergot			
Purple leaf spot			
Stem rust			
Leaf stripe			
Stripe smut			
COMMON REED			
Rust			
Eye spot			
NOODLING SEMAPHORE GRASS			
Leaf spot			
BIG BLUEGRASS			
Bluegrass Rust			
Leaf rust			
Selenophoma speckle			

POA ANNUA L.					
Darluca filum (Biv.) Cast.				Corvallis	10,021
Fusarium culmorum (W.G. Sm.) Sacc.				Warrenton	708
Entyloma irregulare Johann.				W. Oregon	10,238
Phycomycete Indet. e/				Alderwood St. Pk.	352
Puccinia poae-sudeticae (West.) Jørstad				W. Oregon	(2)
Septoria macropoda Pass.				Corvallis	c/ 708
POA BOLANDERI Vasey					
Puccinia poae-sudeticae (West.) Jørstad				Wallowa Mts.	10,077
POA CANBYI (Scribn.) Piper					
Erysiphe graminis DC				Union County	10,078
POA COMPRESSA L.					
Cladosporium herbarum (Pers.) Lk.				Alsea	10,755
Darluca filum (Biv.) Cast.				Corvallis	10,007
Entyloma cretophilum Sacc.				Bayview	821
Helminthosporium vagans Drechs.				Benton County	10,264
Puccinia poae-sudeticae (West.) Jørstad				Corvallis	10,007
Scoleotrichum graminis Fckl.				General	10,007
Septoria macropoda Pass. var. septulata (Cz. Frag.) Sprague				General	10,946
S. oudemansii Sacc.				Corvallis	385
POA GRACILLIMA Vasey (P. multnomae Piper)					
Ascochyta graminicola Sacc. var. holci Sacc.				Pacific bluegrass)	
Erysiphe graminis DC.				Horse Tail Falls	10,280
Hendersonia culmicola var. intermedia Sacc.				(Multnomah Co.)	g/
Puccinia poae-sudeticae (West.) Jørstad				Columbia Gorge	
				7 mi. W. of The Dalles	116
				Columbia Gorge	10,283
POA HOWELLII Vasey and Scribn.					
Septoria macropoda Pass.				Lower Columbia Riv.	10,080
ANNUAL BLUEGRASS					
On Puccinia poae-sudeticae					
Head mold					
Black spot leaf smut					
Purple speckle					
Bluegrass rust					
Leaf spot					
BOLANDER BLUEGRASS					
Bluegrass rust					
CANBY BLUEGRASS					
Powdery mildew					
CANADA BLUEGRASS					
Leaf mold					
On Puccinia poae-sudeticae					
Black spot leaf smut					
Leaf spot					
Bluegrass rust					
Leaf stripe					
Leaf blotch					
Tan leaf spot					
SLENDER BLUEGRASS (Pacific bluegrass)					
Leaf spot					
Powdery mildew					
Leaf spot					
Bluegrass rust					
HOWELL BLUEGRASS					
Leaf spot					

POA JUNCIFOLIA Scribn. (P. brachyglossa Piper)	ALKALI BLUEGRASS	Wasco County	10,229
Erysiphe graminis DC.	Powdery mildew	Near Celilo Falls	145
Fusarium sp.	Leaf rot, crown rot	Wasco County	10,228
Entyloma irregulare Johann.	Black spot leaf smut	Rufus (near)	10,941
Mycosphaerella tassiana (DeNot.) Johans.	Leaf spot	7 mi. W. of The Dalles	130
Phycomycete Indet. e/	Leaf spot	Wasco County	10,244
Puccinia poae-sudeticae (West.) Jørstad	Bluegrass rust	Friend, Rufus	10,760
Selenophoma donacis var. stomaticola (BaumL.) Sprague & Johnson	Selenophoma speckle		
POA KELLOGGII Vasey	KELLOGG BLUEGRASS	Jackson County	10,758
Septoria macropoda Pass.	Leaf spot		
POA LEPTOCOMA Trin.	EOG BLUEGRASS	Whitman Nat'l	10,079
Puccinia poae-sudeticae (West.) Jørstad	Bluegrass rust	Forest	
POA MACRANTHA Vasey	SEASHORE BLUEGRASS	Warrenton	338
Puccinia graminis Pers.	Stem rust	Newport	(2, 7)
P. poae-sudeticae (West.) Jørstad	Bluegrass rust	Friend	874
POA NERVOSA (Hook.) Vasey	WHEELER BLUEGRASS		
Scolecotrichum graminis Fckl.	Leaf stripe	Seneca; Hart Mts.	10,696
POA NEVADENSIS Vasey	NEVADA BLUEGRASS	Blue Mts.	10,355
Claviceps purpurea (Fr.) Tul.	Ergot		
Septoria macropoda Pass. var. grandis Sprague	Leaf spot	Klamath County	10,102
POA PALUSTRIS L.	FOWL BLUEGRASS	Klamath County	(2)
Erysiphe graminis DC.	Powdery mildew		
Puccinia poae-sudeticae (West.) Jørstad	Bluegrass rust	Near Forest Grove;	453,789
POA PRATENSIS L.	KENTUCKY BLUEGRASS	East Corvallis	
Cercospora sp. i/	Brown eye leaf spot		

i/ This apparently undescribed species will be described in a subsequent publication. It is apparently not rare in Oregon but obscured by the more prevalent Septoria and Helminthosporium spots.

Corticium vagum Berk. & Curt. [<i>C. solani</i>]	Brown patch	W. Oregon	10,965
Darlauca filum (Biv.) Cast.	On rust	W. Oregon	10,237
Entyloma crastophilum Sacc.	Black spot leaf smut	Lincoln & Benton Co.	10,201
Erysiphe graminis DC.	Powdery mildew	Heppner	10,053
Fusarium (?) nivale (Fr.) Sor.	Snow mold	NW. Oregon	c/, g/
Gloeosporium graminum Rostr.	anthracnose	S. fork Alsea Riv. & Irish Bend (Benton Co.)	10,665
Helminthosporium vagans Drechs.	Leaf spot	Corvallis	10,121
Phycomycete Indet. e/	Red leaf speckle	Benton & Linn Cos.	789
Puccinia poae-sudeticae (West.) Jørstad	Bluegrass rust	General	(2, 7)
Rhizoctonia solani Kühn	Leaf rot	Corvallis	c/
Septoria macropoda Pass. var. septulata (Gz. Frag.) Sprague	Leaf spot	W. Oregon	c/ 8301
S. nodorum Berk.	Glume blotch & leaf spot	W. Oregon	c/
S. oudemansii Sacc.	Leaf spot	Corvallis, Lobster Valley	10,237
POA SCABRELLA (Thurb.) Benth.	DESERT BLUEGRASS		
Pleospora karstenii Berl. & Vogl.	Leaf & culm mold	Tygh Ridge	10,759
Uromyces dactylidis Otth.	Tar rust	Cchoco Nat'l Forest	10,081
POA SECUNDA Presl (P. sandbergii Vasey)	SANDEBERG BLUEGRASS (Desert bluegrass)		
Erysiphe graminis DC.	Powdery mildew	E. Oregon	10,226
Septoria macropoda Pass. var. grandis Sprague	Leaf spot	General in E. Oreg.	c/ 10,343
POA TRIVIALIS L.	ROUGH BLUEGRASS		
Helminthosporium poae Baudys	Leaf spot	Astoria	10,330
Puccinia poae-sudeticae (West.) Jørstad	Bluegrass rust	Astoria	10,330
Rhizoctonia solani Kühn	Leaf rot	Corvallis	c/
POA VASEYCHLOA Scribn.	VASEY'S BLUEGRASS		
Cladosporium herbarum Lk.	Secondary leaf rot	Mayer Park	872
Erysiphe graminis DC.	Powdery mildew	Wasco & Sherman Cos.	114
Phytophthora sp.	Greasy brown spot	Mayer Park	872
POLYPOGON MONSPELIENSIS (L.) Desf.	RABBITFOOT GRASS		
Erysiphe graminis DC.	Powdery mildew	Biggs	8439

SITANION HANSENI (Scribn.) J. G. Smith Ustilago sitanii Fisch.	HANSEN SQUIRRELTAIL Loose smut	Klamath Falls (D. C. Smith)	13,165
SITANION HYSTRIX (Nutt.) J. G. Smith (S. californicum J. G. Smith) Ascochyta graminicola Sacc. var. holci Sacc. Puccinia glumarum (Schm.) Eriks. & Henn. P. pattersoniana Arth. P. rubigo-vera (DC.) Wint. Scolecotrichum graminis Fekl. Selenophoma denacis var. stomaticola (Bauml.) Sprague & Johnson S. passerinii Sacc.	SQUIRRELTAIL (Bottle brush squirreltail) Leaf spot Stripe rust Rust Leaf rust Leaf stripe Selenophoma spot Leaf & Sheath spot	Mt. Hood Redmond N. Powder (Smith) E. Oregon Echo Mt. Hood (Adlard) Mt. Hood Nat'l Forest	10,770 (2, 7) 350 (2, 7) 10,683 10,770 c/ 10,382
SITANION JUBATUM J. G. Smith Puccinia glumarum (Schw.) Eriks. & Henn. P. rubigo-vera (DC.) Wint. Scolecotrichum graminis Fekl.	BIG SQUIRRELTAIL Stripe rust Leaf rust Leaf stripe	Redmond S. Oregon Wasco County	(2, 7) (2, 7) 10,163
SORGHUM VULGARE Pers. Sorosporium reilianum (Kühn) McAlp. Sphaecelotheca sorghi (Lk.) Clinton	SORGHUM Head smut Kernel smut	Ashland -----	1201 (15)
SORGHUM VULGARE var. SUDANENSE (Piper) Hitchc. Sphaecelotheca sorghi (Lk.) Clinton	SUDAN GRASS Kernel smut	S. Oreg., Eugene	11
SPOROBOLUS AIROIDES Torr. Puccinia luxuriosa Syd.	ALKALI SACATON (Hairgrass dropseed) Rust	Harney County	(2)
STIPA COLUMBIANA var. NELSONI (Scribn.) Hitchc. Septoria stipina Died.	COLUMBIA NEEDLEGRASS Leaf spot	Long Creek, Blue Mts.	10,761
STIPA COMATA Trin. & Rupr. Puccinia stipae Arth.	NEEDLE AND THREAD Rust	Umatilla & Sherman Counties	(2, 7) 10,084
Scolecotrichum graminis Fekl. Ustilago hypodytes (Schl.) Fr.	Leaf stripe Stem smut	Crook County Umatilla County	1368

WESTERN NEEDLEGRASS

Stem smut

Steins Mts. (74); (W.A.F. 236) d/

TALL DOWNY TRISETUM

Crown rust

Silver Creek Falls 271

Stem rust

Astoria 10,294

Leaf spot

Cascade Mts. & Coast Range 8498

NODDING TRISETUM

Anthraxnose

Bergsvik Creek 348

Red eye spot

Clatsop & Lincoln Counties 417

Crown rust

Lincoln, Marion and Clatsop Cos. 7536

Leaf spot

Bergsvik Creek 198; 417

WHEAT

Cercospora foot rot

Union, Umatilla, and Wasco Cos. (14) c/

Ergot

1209

Powdery mildew

5066

Root rot

W.Oreg. and Prairies (8)

Secondary root rot

c/

Secondary root rot

c/

Secondary root rot

c/

Root rot and dry

Coast & E. Oreg. c/10,030;10,118

land root rot

5084

Sooty mold

Enterprise W. Oreg., Hood Riv. and Union Counties

Take-all

c/ (1) 10,027

(?) Seedling injury

25,987

Stripe rust

(2, 6, 7)

Stem rust

(2, 7)

STIPA OCCIDENTALIS Thurb.

Ustilago hypodytes (Schl.) Fr.

TRISETUM CANESCENS Buckl.

Puccinia coronata Corda

P. graminis Pers.

Septoria calamagrostidis (Lib.) Sacc.

TRISETUM CERNUUM Trin.

Colletotrichum graminicolum (Ces.) Wils.

Mastigosporem rubricosum (Deam. & Barth.) Sprague

Puccinia coronata Corda

Septoria calamagrostidis (Lib.) Sacc.

TRITICUM AESTIVUM L. (T. vulgare Vill.)

Cercospora herpotrichoides Frøen

Claviceps purpurea (Fr.) Tul.

Erysiphe graminis DC.

Fusarium culmorum (W.G. Sm.) Sacc.

F. equiseti (Corda) Sacc.

F. oxysporum Schl.

F. scirpi Lamb. & Fautr. var. acuminatum (Ell. & Ev.) Wr.

Helminthosporium sativum P.K. & B.

Mycosphaerella tulasnei Jacz.

Ophiobolus graminis Sacc.

Penicillium sp.

Puccinia glumarum (Schm.) Eriks. & Henn.

P. graminis Pers.

<i>P. rubigo-vera tritici</i> (Eriks. & Henn.) Carl.	Leaf rust	General	(2, 7)
<i>Rhizoctonia solani</i> Kühn	White foot rot	Lincoln, Benton, & Lane Counties	(10) c/10,028
<i>Septoria tritici</i> Rob.	Leaf blotch	General	10,005
<i>Tilletia foetida</i> (Wal.) Liro	Stinking smut	General	(1)
<i>T. caries</i> (DC.) Tul.	Stinking smut	General	(1)
<i>Ustilago tritici</i> Rostr.	Loose smut	Scattered	5096
<i>Wojnowicia graminis</i> (McAlp.) Sacc.	Secondary root rot	Wasco & Union Cos.	(11) c/
TRITICUM DICOCIMUM Schrank			
<i>Cercospora herpotrichioides</i> Fron	EMMER Cercospora foot rot	Wasco County	(14) c/
<i>Fusarium culmorum</i> (W.G. Sm.) Sacc.	Root rot	Lincoln County	c/
<i>Puccinia glumarum</i> (Schm.) Eriks. & Henn.	Stripe rust	Moro	(2, 7)
<i>P. rubigo-vera tritici</i> (Eriks. & Henn.) Carl.	Leaf rust	Wasco County	e/
<i>Septoria tritici</i> Rob.	Leaf blotch	Granger	648
<i>Wojnowicia graminis</i> (McAlp.) Sacc. & D. Sacc.	Secondary root rot	Wasco & Union Cos.	(11) g/
TRITICUM DICOCIMUM Schrank. var FARRUM Bayle			
<i>Septoria tritici</i> Rob.	VERNAL AND KHAPLI EMMER Leaf blotch	Benton County	10,726
TRITICUM DURUM Desf.			
<i>Cercospora herpotrichioides</i> Fron	DURUM WHEAT Cercospora foot rot	Union & Wasco Cos.	c/, g/
<i>Fusarium culmorum</i> (W.G. Sm.) Sacc.	Root rot	Union County	c/, g/
<i>Wojnowicia graminis</i> (McAlp.) Sacc. & D. Sacc.	Secondary root rot	Union & Wasco Cos.	c/, g/
TRITICUM MONOCOCIMUM L.			
<i>Cercospora herpotrichioides</i> Fron	EINKORN Cercospora foot rot	Union & Wasco Cos.	c/ 10,017
<i>Wojnowicia graminis</i> (McAlp.) Sacc. & D. Sacc.	Secondary root rot	Union County	c/, g/
TRITICUM POLONICUM L.			
<i>Mycosphaerella tulasnei</i> Jacz.	POLISH WHEAT Leaf rot and blotch	Granger	10,679
TRITICUM SPELTA L.			
<i>Cercospora herpotrichioides</i> Fron	SPELT Cercospora foot rot	Union County	c/, g/
<i>Fusarium culmorum</i> (W.G. Sm.) Sacc.	Root rot	Lincoln County	c/, g/
<i>Helminthosporium sativum</i> P.K. & B.	Foot rot	Lincoln County	c/
<i>Puccinia graminis</i> Pers.	Stem rust	Lincoln County	7602

P. rubigo-vera tritici (Eriks. & Henn.) Carl.	Leaf rust	Union, Wasco, and Lincoln Counties	7611
Rhizoctonia solani Kühn	White root rot	Alsea Riv. Valley	c/
Septoria nodorum Berk.	Leaf spot	Lincoln County	10,400
S. tritici Rob.	Leaf blotch	Lincoln County	10,365
Ustilago tritici Rostr.	Loose smut	Lincoln County	f/
Wojnowicia graminis (McAlp.) Sacc. & D. Sacc.	Secondary root rot	Union County	c/ g/
TRITICUM TURGIDUM L.			
Septoria tritici Rob.	POLLARD WHEAT Leaf blotch	Granger	10,680
ZEA MAYS L.			
Epicoccum neglectum Desm. (? Saprophyte)	Leaf rot	Benton & Lincoln Cos.	10,008
Fusarium culmorum (W. G. Sm.) Sacc.	Root rot	W. Oregon	(8)
Helminthosporium turcicum Pass.	Leaf blight	Lincoln County	g/
Physoderma zae-maydis Shaw	Brown spot	Benton County	g/
Sorosporium reilianum (Kühn) McAlp.	Head smut	Willamette Valley	(3)
Ustilago zae-mays (DC.) Wint.	Smut	E. & S. Creg.	Owens and Zundel

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